Name of work:Improvements to roads & drains at coconut Garden, Manjunatha Nagara New Extension in Bagalagunte Ward No 14.

JOB NUMBER.: sl 20 **Est. Amount = Rs** 42.00 **Lakhs**

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
1	Removing B.S.Slabs and stacking etc complete. (Page No. 25, I.No.5.32 of KPWD SR 2015-16)								
	Removing Resetting Existing BS Slab								
	Manjunatha Nagar								
	Ch:00-765	Sqm	2	310.00	1.80		1116.00		
						Total Qty	1116.00	63.72	71111.52
2	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No.-138 I.No-19.1 of KPWD S.R 2015-16)								
	Manjunatha Nagar								
	Desilt Ch:00-765	Cum	2	765.00	0.60	0.40	367.20		
	Ch:00-765		2	50.00	0.75	0.75	56.25		
						Total Qty	423.45	178.85	75734.03
3	Refixing stone slabs of drains and pointing in C.M (1:3).(Page No.-25 I.No-5.33 of KPWD S.R 2015-16)								
	Manjunatha Nagar								
	Desilt Ch:00-765	Sqm	2	260.00	1.80		936.00		
						Total Qty	936.00	78.84	73794.24
4	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD SR 2015-16)								
	Manjunatha Nagar								
	Ch:00-765	Sqm	2	50.00	1.80		180.00		
						Total Qty	180.00	663.12	119361.60
5	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.{Page No-25, Sl No-5.34 of KPWD SR 2015-16}.								
	For Flagging Coarse over BS Slab Drain								
	Ch:00-180 6th Cross RHS	Sqm	2	80.00		0.40	64.00		
	Ch:600-765		4	165.00		0.40	264.00		
						Total Qty	328.00	963.36	315982.08
6	KSRB 4-1.6 ; Providing and laying in position plain cement concrete cum of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and ciils, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page No. 12, It No. 4.6 of KPWD S.R 2015-16)								
	For Flagging and Coping of Drain								
	Ch:00-180 6th Cross RHS	Cum	2	80.00	0.15	0.10	2.40		
	Ch:600-765		4	165.00	0.15	0.10	9.90		
						Total Qty	12.30	5490.72	67535.86
7	Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per doiirections of the Enineer-in-charge. {Data Rate sheet enclosed}								
	Ch:00-180 6th Cross RHS	Sqm	1	80.00	0.70		56.00		
	Ch:600-765		2	165.00	0.70		231.00		
						Total Qty	287.00	1821.00	522627.00
8	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet /surface dressing by road roller attached with scarifier without disturbing the base and stavkung the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Chapter 3 (Page No.-138 I.No-19.56 of KPWD S.R 2015-16)								
	Manjunatha Nagar								
	Ch:600-765	Sqm	1	165.00	5.00		825.00		
						Total Qty	825.00	27.00	22275.00

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
9	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel I murrum, watering charges & compaction by vibratory roller to 95% of proctors density.MORTH Specification No. 305 (Page No,-147, I.No.-19.60 of KPWD S.R 2015-16).								
	Manjunatha Nagar								
	Ch:600-765	cum	1	165.00	5.00	0.45	371.25		
						Total Qty	**371.25**	**311.04**	**115473.60**
10	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / ChapterPage no -148.Item.No 19.64 of KPWD S.R 2015-16)								
	Manjunatha Nagar								
	Ch:00-180 6th Cross	Sqm	1	180.00	5.00		900.00		
	Ch:180-600 2,3,4&5 Cross		4	105.00	4.20		1764.00		
	Ch:600-765		1	165.00	4.80		792.00		
						Total Qty	**3456.00**	**4.86**	**16796.16**
11	Providing, laying, spreading and compacting graded stone aggreate to wet mix mecadam specification including premixing the materials with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achive the desired density complete as per specifications. (Page No,-157, I.No.-20.18 of KPWD S.R 2015-16).								
	Manjunatha Nagar								
	Ch:00-180 6th Cross	Cum	1	180.00	5.00	0.18	162.00		
	Ch:180-600 2,3,4&5 Cross		4	105.00	4.20	0.18	317.52		
	Ch:600-765		1	165.00	4.80	0.18	142.56		
						Total Qty	**622.08**	**1713.96**	**1066220.24**
12	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications. MORTH Specification No. 502 (Page No,-160, I.No.-21.6 of KPWD S.R 2015-16).								
	Manjunatha Nagar								
	Ch:00-180 6th Cross	Sqm	1	180.00	5.00		900		
	Ch:180-600 2,3,4&5 Cross		4	105.00	4.20		1764		
	Ch:600-765		1	165.00	4.80		792		
						Total Qty	**3456.00**	**32.40**	**111974.40**
13	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH Chapter 5 (Page No,160,I.No.-21.7 of KPWD S.R 2015-16)								
	Manjunatha Nagar								
	Ch:00-180 6th Cross	Sqm	1	180.00	5.00		900.00		
	Ch:180-600 2,3,4&5 Cross		4	105.00	4.20		1764.00		
	Ch:600-765		1	165.00	4.80		792.00		
						Total Qty	**3456.00**	**15.12**	**52254.72**
14	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-30 Bitumen using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509.(Page No-164 Item no - 21.22.6 of KPWD SR 2015-16)..								
	Manjunatha Nagar								
	Ch:00-180 6th Cross	Cum	1	180.00	5.00	0.04	36.00		
	Ch:180-600 2,3,4&5 Cross		4	105.00	4.20	0.04	70.56		
	Ch:600-765		1	165.00	4.80	0.04	31.68		
						Total Qty	**138.24**	**9901.17**	**1368737.74**

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
15	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sq.m. area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC :35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. (Page No,-181, I.No.-24.15 of KPWD S.R 2015-16).								
	Edge Lane	Sqm	2	765.00	0.15		229.50		
						Total Qty	229.50	473.04	108562.68
								Total Constrution cost	41,08,440.86
16								Design Report,Proof Checking & PMC Amount	82,168.82
17								Sub Total	41,90,609.68
18								Miscellaneous & Rounding Off	9,390.32
								Grand Total	42,00,000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for yea ar 2015-16
4. The provisions made in the estimate are necessary and essential.

SRI SAI CONSULTANTS

Consultants
For Sri Sai Consultants

Assistant Engineer
Ward No.14
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli Sub-Division
BBMP - Bangalore

Executive Engineer
Dasarshalli
BBMP - Bangalore

ನಂ. CE/DZ/TS/59/15-16 ದಿನಾಂಕ : 25-1-2016
ರೂ. 42,00,000 (ನಲವತ್ತ ಎರಡು ಲಕ್ಷ ರುಗ್ಳಗೆ)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE/DZ/AS/75/15-16 ದಿನಾಂಕ : 25-1-2016
ರೂ. 42,00,000 (ನಲವತ್ತ ಎರಡು ಲಕ್ಷ ರುಗ್ಳಗೆ)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Improvements to roads & drains at coconut Garden, Manjunatha Nagara New Extension in Bagalagunte Ward No 14.-42Lakhs

Name of work:Improvements to roads & drains at Defence colony in Bagalagunte Ward No 14.

JOB NUMBER.:					Sln-18		Est. Amount = Rs	42.00	Lakhs
Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
1	Removing B.S.Slabs and stacking etc complete. (Page No. 25, I.No.5.32 of KPWD SR 2015-16)								
	Removing Resetting Extising BS Slab Drain								
	Defence Colony								
	Ch:00-800	Sqm	2	300.00	1.80		1080.00		
						Total Qty	1080.00	63.72	68817.60
2	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No.-141 I.No-19.1 of KPWD S.R 2015-16)								
	Ch:00-800 Desilt	Cum	2	800.00	0.60	0.40	384.00		
	Ch:00-100 For Drain		2	100.00	0.75	0.75	112.50		
						Total Qty	496.50	178.85	88799.02
3	Refixing stone slabs of drains and pointing in C.M (1:3).(Page No.-25 I.No-5.33 of KPWD S.R 2015-16)								
	Ch:00-800	Sqm	2	200.00	1.80		720.00		
						Total Qty	720.00	78.84	56764.80
4	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD SR 2015-16)								
	Ch:00-800	Sqm	2	100.00	1.80		360.00		
						Total Qty	360.00	663.12	238723.20
5	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.{Page No-25, Sl No-5.34 of KPWD SR 2015-16}								
	Ch:00-170 3rd B Cross	Sqm	4	170.00	0.40		272.00		
						Total Qty	272.00	963.36	262033.92
6	Pre-cast Drain Cover Slab {size 1.0x0.6x0.1}:- Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per doiirections of the Enineer-in-charge {Data Rate sheet enclosed}.(Missing and damaged portion)								
	Ch:00-170 3rd B Cross	Sqm	2	170.00	0.70		238.00		
						Total Qty	238.00	1821.00	433398.00
7	Providing and laying Pre Cast Drain Cover slabs of 250mm thickness including cost of all materials, labour, curing, transportation,loading, unloading etc.,complete as per the direction of Engineer - In- Charge. (Data Rate enclosed)								
	Culvert Slab (3rd B Cross)	Sqm	1	5.00	1.50		7.50		
						Total Qty	7.50	5088.00	38160.00
8	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet /surface dressing by road roller attached with scarifier without disturbing the base and stavkung the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Chapter 3 (Page No.-138 I.No-19.56 of KPWD S.R 2015-16)								
	Defence Colony								
	Ch:00-170 3rd B Cross	Sqm	1	170.00	4.70		799.00		
	Ch:170-485 4th B Cross		1	315.00	4.40		1386.00		
	Ch:485-800 5th B Cross		1	315.00	4.50		1417.50		
						Total Qty	3602.50	27.00	97267.50
9	Providing, laying, spreading and compacting graded stone aggreate to wet mix mecadam specification including premixing the materials with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achive the desired density complete as per specifications. (Page No,-157, I.No.-20.18 of KPWD S.R 2015-16).								
	Ch:00-170 3rd B Cross	Cum	1	170.00	4.70	0.18	143.82		
	Ch:170-485 4th B Cross		1	315.00	4.40	0.18	249.48		
	Ch:485-800 5th B Cross		1	315.00	4.50	0.18	255.2		
						Total Qty	648.45	1713.96	1111417.36

Sl No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
10	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications. MORTH Specification No. 502 (Page No,-160, I.No.-21.6 of KPWD S.R 2015-16).								
	Defence Colony								
	Ch:00-170 3rd B Cross	Sqm	1	170.00	4.70		799.00		
	Ch:170-485 4th B Cross		1	315.00	4.40		1386.00		
	Ch:485-800 5th B Cross		1	315.00	4.50		1417.50		
						Total Qty	**3602.50**	**32.40**	**116721.00**
11	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH Chapter 5 (Page No,160,I.No.-21.7 of KPWD S.R 2015-16)								
	Defence Colony								
	Ch:00-170 3rd B Cross	Sqm	1	170.00	4.70		799.00		
	Ch:170-485 4th B Cross		1	315.00	4.40		1386.00		
	Ch:485-800 5th B Cross		1	315.00	4.50		1417.50		
						Total Qty	**3602.50**	**15.12**	**54469.80**
12	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-30 Bitumen using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509.(Page No-164 Item no - 21.22.6 of KPWD SR 2015-16)..								
	Defence Colony								
	Ch:00-170 3rd B Cross	Cum	1	170.00	4.70	0.04	31.96		
	Ch:170-485 4th B Cross		1	315.00	4.40	0.04	55.44		
	Ch:485-800 5th B Cross		1	315.00	4.50	0.04	56.70		
						Total Qty	**144.10**	**9901.17**	**1426758.60**
13	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sq.m. area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC :35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. (Page No,-181, I.No.-24.15 of KPWD S.R 2015-16).								
	Edge Lane	Sqm	2	800.00	0.15		240.00		
						Total Qty	**240.00**	**473.04**	**113529.60**
14							**Total Constrution cost**		**41,06,860.40**
15							**Design Report,Proof Checking & PMC Amount**		**82,137.21**
16							**Sub Total**		**41,88,997.61**
							Miscellaneous & Rounding Off		**11,002.39**
							Grand Total		**42,00,000.00**

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2015-16
4. The provisions made in the estimate are necessary and essential.

SRI SAI CONSULTANTS BANGALORE-90

Consultants
For Sri Sai Consultants

ನಂ.CE/DZ/AS/76/15-16 ದಿನಾಂಕ : 25-1-2016
ರೂ.42,00,000 (ನಲವತ್ತೆರಡು ಲಕ್ಷ ರುಗಳಿಗೆ) ಗಳ
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.

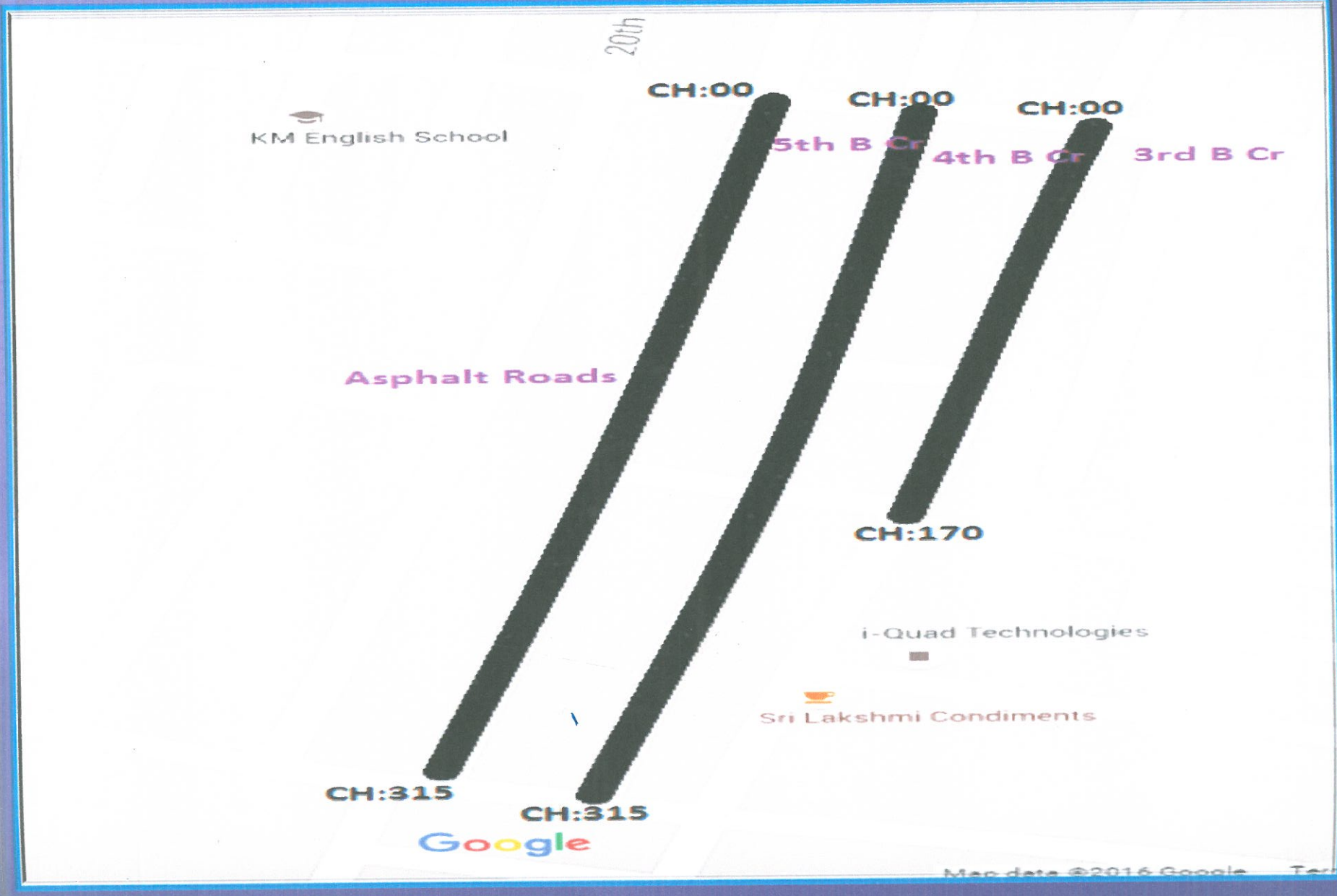
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Assistant Engineer
Ward No-14
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli-Sub division
BBMP - Bangalore

Executive Engineer
Dasarshalli
BBMP - Bangalore

Improvements to roads & drains at Defence colony in Bagalagunte Ward No 14.-42Lakhs



Name of work:Improvements to roads & drains at shehadri layout 6th cross in Bagalagunte Ward No 14.

JOB NUMBER.:							sl 23	Est. Amount = Rs	42.00	Lakhs
Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity		Rate in Rs.	Amount in Rs.
1	Removing B.S.Slabs and stacking etc complete. (Page No. 25, I.No.5.32 of KPWD SR 2015-16)									
	Removing Resetting Existing BS Slab									
	Sheshadri Layout									
	Ch:00-450	Sqm	2	70.00	1.80		252.00			
						Total Qty	252.00		63.72	16057.44
2	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No.-138 I.No-19.1 of KPWD S.R 2015-16)									
	Sheshadri Layout									
	Ch:00-190 New Drain	Cum	2	190.00	0.75	0.80	228.00			
	Desilt Ch:190-450		2	260.00	0.60	0.40	124.80			
	Ch:00-450		2	70.00	0.75	0.75	78.75			
						Total Qty	431.55		178.85	77182.71
`3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1,4.2 (Page No. 12, It No. 4.2 of KPWD S.R 2015-16)									
	Sheshadri Layout									
	Ch:190-450	Cum	2	30.00	0.60	0.10	3.60			
						Total Qty	3.60		5236.92	18852.91
4	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as per specifications.{Page No-25, Sl No-5.34 of KPWD SR 2015-16}.									
	For Flagging Coarse over BS Slab Drain									
	Ch:00-190	Sqm	4	190.00		0.40	304.00			
						Total Qty	304.00		963.36	292861.44
5	KSRB 4-1.6 ; Providing and laying in position plain cement concrete cum of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregtes @ 0.459cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and ciils, ncluding cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (Page No. 12, It No. 4.6 of KPWD S.R 2015-16)									
	For Flagging and Coping of Drain									
	Ch:00-190	Cum	4	190.00	0.15	0.10	11.40			
						Total Qty	11.40		5490.72	62594.21
6	Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per doiirections of the Enineer-in-charge. {Data Rate sheet enclosed}									
	Ch:00-190 New Drain	Sqm	2	190.00	0.70		266.00			
						Total Qty	266.00		1821.00	484386.00
7	Refixing stone slabs of drains and pointing in C.M (1:3).(Page No.-25 I.No-5.33 of KPWD S.R 2015-16)									
	Sheshadri Layout									
	Desilt Ch:190-450	Sqm	2	70.00	1.80		252.00			
						Total Qty	252.00		78.84	19867.68

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
8	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD SR 2015-16)								
	Sheshadri Layout								
	Ch:00-190 New Drain	Sqm	2	190.00	1.80		684.00		
	Desilt Ch:190-450		2	100.00	1.80		360.00		
						Total Qty	**684.00**	**663.12**	**453574.08**
9	KSRRB 300-50. Scarifying bituminous course 50mm to 75mm thick along with premix carpet /surface dressing by road roller attached with scarifier without disturbing the base and stavkung the debris including cost of all labour charges, HOM of machineries complete as per specifications. MORTH / Chapter 3 (Page No.-138 I.No-19.56 of KPWD S.R 2015-16)								
	Sheshadri Layout	Sqm							
	Ch:00-190 6th Cross		1	190.00	5.00		950.00		
	Ch:190-450		1	260.00	5.00		1300.00		
						Total Qty	**2250.00**	**27.00**	**60750.00**
10	KSRRB M300-53. Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel I murrum, watering charges & compaction by vibratory roller to 95% of proctors density.MORTH Specification No. 305 (Page No,-147, I.No.-19.60 of KPWD S.R 2015-16).								
	Sheshadri Layout								
	Ch:00-190 6th Cross	cum	1	190.00	5.00	0.45	427.50		
	Ch:190-450		1	260.00	5.00	0.45	585.00		
						Total Qty	**1012.50**	**311.04**	**314928.00**
11	KSRRB M400-6.1. Construction of granular sub-base of Grading II Material by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method (Page No,-154, I.No.-20.4.2 of KPWD S.R 2015-16)								
	Sheshadri Layout	Cum							
	Ch:00-190 6th Cross		1	190.00	5.00	0.15	142.50		
	Ch:190-450		1	260.00	5.00	0.15	195.00		
						Total Qty	**337.50**	**1622.16**	**547479.00**
12	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / ChapterPage no -148.Item.No 19.64 of KPWD S.R 2015-16)								
	Sheshadri Layout	Sqm							
	Ch:00-190 6th Cross		1	190.00	5.00		950.00		
	Ch:190-450		1	260.00	5.00		1300.00		
						Total Qty	**2250.00**	**4.86**	**10935.00**
13	Providing, laying, spreading and compacting graded stone aggreate to wet mix mecadam specification including premixing the materials with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achive the desired density complete as per specifications. (Page No,-157, I.No.-20.18 of KPWD S.R 2015-16).								
	Sheshadri Layout	Cum							
	Ch:00-190 6th Cross		1	190.00	5.00	0.18	171.00		
	Ch:190-450		1	260.00	5.00	0.18	234.00		
						Total Qty	**405.00**	**1713.96**	**694153.80**

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
14	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications. MORTH Specification No. 502 (Page No,-160, I.No.-21.6 of KPWD S.R 2015-16).								
	Sheshadri Layout								
	Ch:00-190 6th Cross	Sqm	1	190.00	5.00		950.00		
	Ch:190-450		1	260.00	5.00		1300.00		
						Total Qty	2250.00	32.40	72900.00
15	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH Chapter 5 (Page No,160,I.No.-21.7 of KPWD S.R 2015-16)								
	Sheshadri Layout								
	Ch:00-190 6th Cross	Sqm	1	190.00	5.00		950.00		
	Ch:190-450		1	260.00	5.00		1300.00		
						Total Qty	2250.00	15.12	34020.00
16	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-30 Bitumen using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509.(Page No-164 Item no - 21.22.6 of KPWD SR 2015-16)..								
	Sheshadri Layout								
	Ch:00-190 6th Cross	Cum	1	190.00	5.00	0.04	38.00		
	Ch:190-450		1	260.00	5.00	0.04	52.00		
						Total Qty	90.00	9901.17	891105.30
17	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sq.m. area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC :35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. (Page No,-181, I.No.-24.15 of KPWD S.R 2015-16).								
	Edge Lane	Sqm	2	450.00	0.15		135.00		
						Total Qty	135.00	473.04	63860.40
18							Total Constrution cost		41,15,507.97
19							Design Report,Proof Checking & PMC Amount		82,310.16
20							Sub Total		41,97,818.13
							Miscellaneous & Rounding Off		2,181.87
							Grand Total		42,00,000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for y ar 2015-16
4. The provisions made in the estimate are necessary and essential.

ಸಂ.CEIO2/AS/77/15-16 ದಿನಾಂಕ : 25-1-2016
ರೂ.42,00,000/- (ನಲವತ್ತ ಎರಡು ಲಕ್ಷ ರೂಗಳಿಗೆ)
ಮಾತ್ರ ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ವಿ.

Consultants
For Sri Sai Consultants

Assistant Engineer
Ward No.14
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli Sub-Division
BBMP - Bangalore

Executive Engineer
Dasarshalli
BBMP - Bangalore

Improvements to roads & drains at shehadri layout 6th cross in Bagalagunte Ward No 14.-42Lakhs